

1 polymer tape 2 and polymer bead chain 6 can be manufactured as a
2 single membrane comprising the column of spheres 7 spaced at regular
3 distances along one edge.

4 Fig. 5 shows the manner in which consumable electrode 8 is
5 carried downward by bead-gear 10 into vat 11 holding the cell
6 electrolyte 12 and passes under pin roller 13 driven by another bead-
7 gear 10 and under still another bead gear roller 10 and upward to guide
8 roller 16 and passes out of the cell electrolyte as expended tape.
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10 CLAIMS
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12 What is claimed is:
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- 14 1. A consumable electrode comprising a segment of sodium foil, said
15 sodium foil being inset from one edge and longitudinally positioned
16 lengthwise along one half of an aluminized polymer tape, said
17 aluminized polymer tape being folded at its longitudinal center and
18 both halves of said aluminized polymer tape brought together and
19 sealed at their contacting edges hermetically sealing and encasing the
20 said sodium foil within.
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- 22 2. The consumable electrode of Claim 1 in which the said sodium foil
23 is coated on both sides with a depolarizing agent.
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- 25 3. The consumable electrode of Claim 1 in which the said sodium foil
26 is segmented at regular intervals.

1 4. The consumable electrode of Claim 1 incorporating a bead-chain at
2 one edge to facilitate its insertion into an electrolyte vat.
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